

(19) World Intellectual Property  
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International Bureau



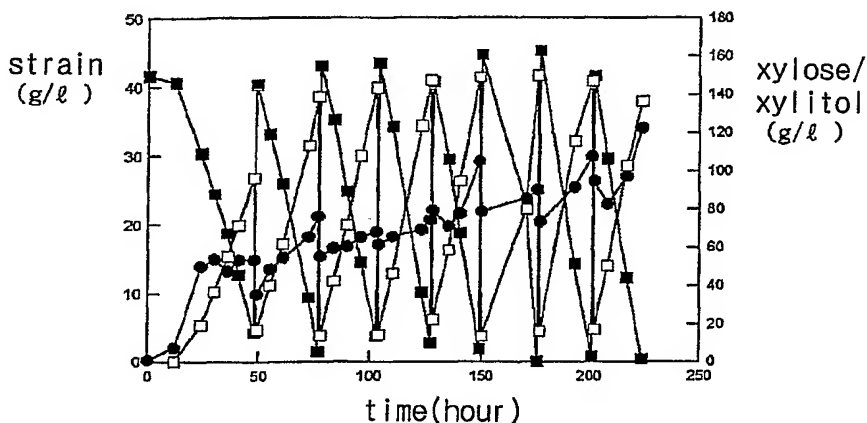
(43) International Publication Date  
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number  
**WO 2005/054444 A1**

- (51) International Patent Classification<sup>7</sup>: C12N 1/16, A23L 1/09 (74) Agent: CHO, In-Jae; 3rd Fl., Janghyun Bldg., 637-23, Yeoksam-dong, Gangnam-gu, Seoul 135-909 (KR).
- (21) International Application Number: PCT/KR2004/003024 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 22 November 2004 (22.11.2004) (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (25) Filing Language: Korean
- (26) Publication Language: English
- (30) Priority Data: 10-2003-0088489 8 December 2003 (08.12.2003) KR
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- Published: — with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR PREPARING XYLITOL WITH HIGH YIELD USING RECYCLING MICROORGANISM



(57) Abstract: Provided is a process for continuously producing xylitol in high yield and productivity using a vacuum microfiltration bioreactor containing a fermentation medium for a strain of the genus *Candida*, which includes: 5 300 g/l of xylose, 1 10 g/l of urea, 1 10 g/l of potassium diphosphate, 0.01 1 g/l of magnesium sulfate, 0.1-10 mg/l of  $\text{MnSO}_4 \cdot 4\text{H}_2\text{O}$ , 0.1 10 mg/l of  $\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$ , 0.1 10 mg/l of  $\text{NaMoO}_4 \cdot 2\text{H}_2\text{O}$ , 0.1 10 mg/l of  $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$ , 0.1 10 mg/l of  $\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$ , 0.1 10 mg/l of  $\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$ , 0.01-5 mg/l of

$\text{H}_3\text{BO}_3$ , 1-100 mg/l of  $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ , 0.1-10 mg/l of ascorbic acid, 1-100 mg/l of biotin, 1-100 mg of choline, 1-200 mg/l of folic acid, 1-100mg/l of inositol, 1-100 mg/l of nicotinic acid, 0.1-10 mg/l of *p*-aminobenzoic acid, 1-100 mg/l of pantothenic acid, 0.1-10 mg/l of pyridoxine, 10-1,000 mg/l of riboflavin, and 1-100 mg/l of thiamine.